

Werlatone® Mismatch Tolerant® High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide **Werlatone®** designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions.

Features:

High Power Wide Bandwidths Small Size Custom Designs Available

Electrical Specifications:

Type: 2-Way Combiner/Divider (60/40 Split)
 Frequency: 140 - 180 MHz
 Power: 500 W CW, 8 kW Peak
 Insertion Loss: 0.4 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: ± 0.3 dB Max.
 Isolation: Non-Isolated

Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite) RoHS Compliant Available
 Operating Temperature: -55°C to $+75^\circ\text{C}$
 Storage Temperature: -60°C to $+85^\circ\text{C}$
 Weight: 29 ounces
 Size: 6.0 x 5.0 x 1.06"

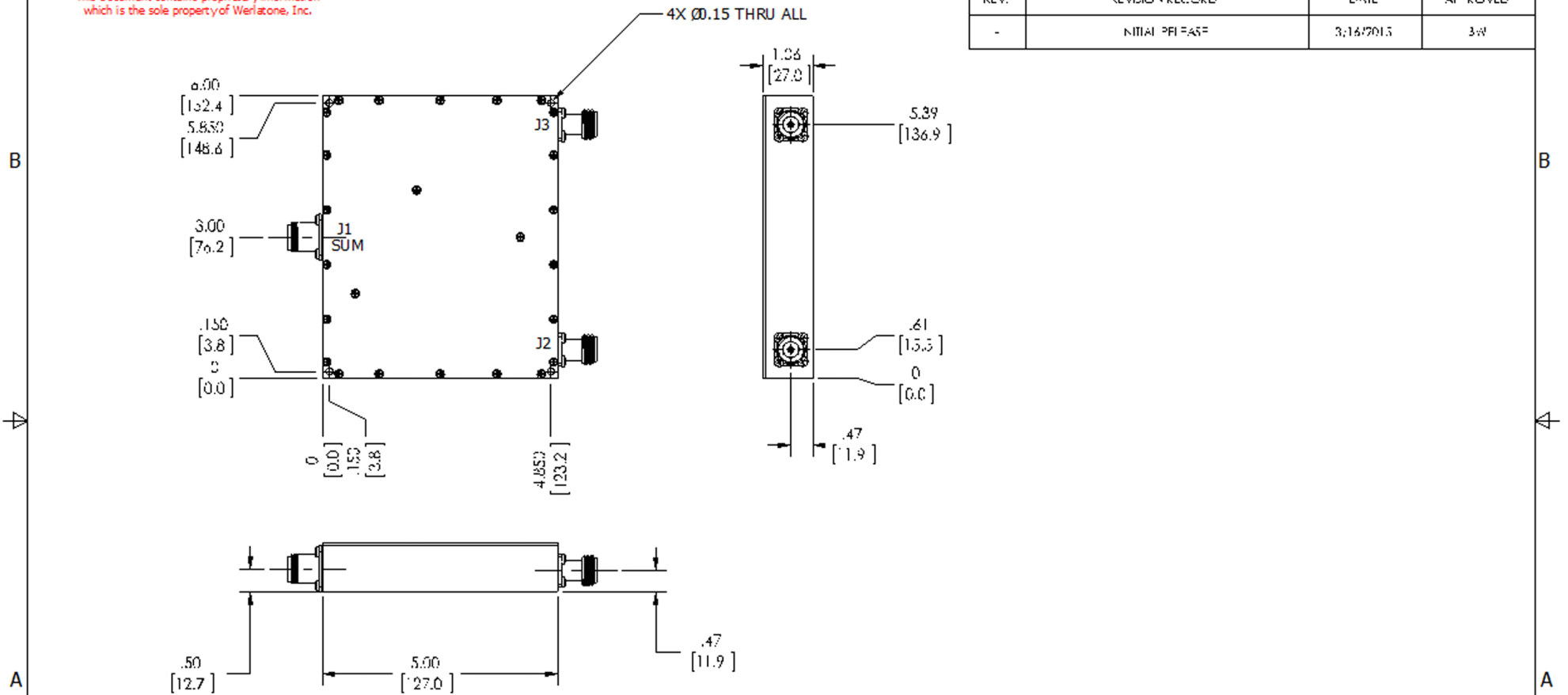
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10271-10	N Female	N Female	N Female

When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVAL
-	INITIAL RELEASE	3/16/2013	3/W



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE 2 CLASS 3 (CLEAR)**
- CONNECTORS: ALL N (FEMALE)**

		UNLESS OTHERWISE SPECIFIED	DATE	DATE	17 Jon Barrett Rd Patterson, NY 12563
		INTERPRET DRAWING AND SPECIFICATIONS	DATE	3/15/2013	WERLATONE SINCE 1965
		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	DATE	3/15/2013	
		DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED	DATE	3/15/2013	TITLE
		TOLERANCES UNLESS OTHERWISE SPECIFIED	DATE	3/15/2013	OUTLINE, 2 WAY
		FINISH ALL SURFACES AND CHAMFER EDGES 0.01 MAX	DATE	3/15/2013	SIZE
		CONCENTRICITY MAXIMUM 0.015 DIA. 0.025 DIA.	DATE	3/15/2013	CHG CODE
		POCKET TOOL TOLERANCE 0.015 MAX	DATE	3/15/2013	DWG NO
			DATE	3/15/2013	REV
			DATE	3/15/2013	SCALE
			DATE	3/15/2013	SHEET 1 OF 1

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